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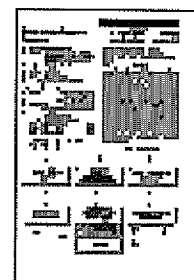
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The Delphion Integrated View

Get Now: ☒ PDF | File History | Other choicesTools: Add to Work File: [Create new Work](#)View: INPADOC | Jump to: [Ema](#)Title: **JP57193701A2: STACKED ROTOR**Country: **JP** JapanKind: **A**Inventor: **NAGAOKA TAKASHI;**Assignee: **HITACHI LTD**
[News, Profiles, Stocks and More about this company](#)Published / Filed: **1982-11-29 / 1981-05-25**Application Number: **JP1981000078108**IPC Code: Advanced: **F01D 5/06**;
Core: **F01D 5/02**;
IPC-7: **F01D 5/06**;
F04D 29/32;Priority Number: 1981-05-25 **JP1981000078108**

Abstract: PURPOSE: To reduce the tension of the tie bolts of a stacked rotor in which discs having moving vanes are coupled to each other by the tie bolts, by inclining the thickness center line of each disc as to the radial direction.

CONSTITUTION: Discs 1, on which moving vanes 2 are mounted, are tightened on each other together with an end piece 3 by tie bolts 4. The thickness center line of each disc 1 is inclined rightward as to the radial direction. The deformation of the discs 1, which is caused by centrifugal force, is utilized to produce high surface pressure on tight contact sections 5, 6 in addition to surface pressure caused by the tension of the tie bolts 4. According to this constitution, the torque of a driving machine is surely transmitted and the tension of the tie bolts 4 can be reduced.

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Family: None

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PDF	Patent	Pub.Date	Inventor	Assignee	Title
	US5579644	1996-12-03	Naudet; Jacky S.	Societe Nationale d'Etude et de Construction de Moteurs d'Aviation "Snecma"	Turbo-jet equipped w balancing disks within of the high pressure c and process for produ disks